

Surge Suppressor

RK080S

TPD Surge Suppressors protect equipment from lightning and other harmful transient voltages traveling and AC & DC power circuits at the breaker panel reducing lockups, glitches and reprogramming issues. TPD protectors will extend the life of all your equipment. Improve power quality for your sophisticated electronic loads. Rebooting, reprogramming and replacing processors, circuit boards and components can be a never-ending battle. Occasional glitches in the system are as simple as equipment locking up or turning on and off without user input to wide spread damage during a severe lightning storm.



SPECIFICATIONS

Application: ANSI.IEEE C62.41 Location C, B & A

Design: Ultra compact, fail-safe design with component-level fusing

Warranty: 10-Year Unlimited Free Replacement Warranty

Safety Listing: UL 1449 3rd Edition Type 1 for Type 1 and Type 2 locations. For use in Canada, add suffix "-CAN" for cUL ratings - all cUL listed RK080S units are type 2.

Input Power Frequency: 40-440Hz

Surge Rating: 80kA/Phase

Modes of Protection: All modes L-N, L-G, N-G & L-L

Response Time: < 0.5 nanosecond

Standard Monitoring: Status indicating light

Short Circuit Current Rating: 100kAIC

Dimensions: 5.6"H x 2.9"W x 1.9"D

Monitoring: Status indicator light

Enclosure: High-impact non-metallic Nema 1. Weatherproof but not recommended for direct sunlight exposure.

Connection: Prewired with 18 "(457mm) of #14 AWG (2.08mm²) conductor

Mounting Method: Comes with a threaded 1/2" (15mm) hub for easy knockout mounting or L-shaped bracket for stand-alone wall mounting.

Operating Temperature: -40° C to 70° C (-40° F to 160° F); 5% to 95% non-condensing humidity

Weight: 2.25 lbs. (1.0 kg)

Available Options:

Flush mount cover for installation on recessed panels: RKS-FMP

Gates
Pumps
HVAC
Air Handlers

Total Protection Design offers a broad range of surge suppression products to extend the life and reliability of electronic equipment.

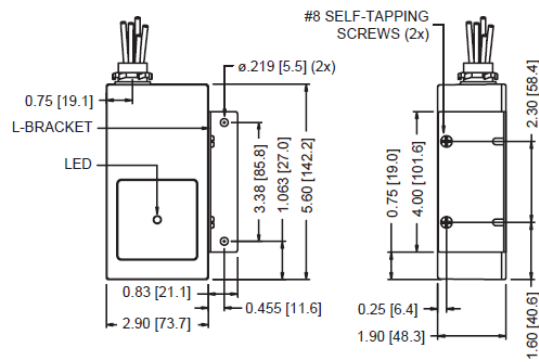
Specifications subject to change without notice, see web site www.totalprotectiondesign.com or latest revisions.

SURGE PERFORMANCE SPECIFICATIONS

ANSI/IEEE C62.41.1-2002, C62.41.2-2002, & C62.45-2002 Measured Limited Voltage

Model Number (Working Voltage)	Mode	A3 Ring Wave	B3/C1	C3
		6kV, 200A 90° Phase Angle	Impulse Wave 6kV, 3kA 90° Phase Angle	Impulse Wave 20kV, 10kA 90° Phase Angle
TK-RK080S-1S240-L	L-N	374V	590V	1015V
120/240 VAC	L-G	375V	595V	1015V
3 Wire Plus Ground 80kA/Phase	N-G	476V	604V	1110V

All voltages are peak values (+10%) from the zero reference point at the phase angles referenced above using a 10 μs/div display rate and 500MS/s sampling rate. Specifications subject to change without notice, see web site www.totalprotectiondesign.com for latest revisions.



All measurements in inches [mm]

Need additional assistance?
Call Technical Support
1-800-604-9980
www.totalprotectiondesign.com

Tech Note: For proper grounding and installation techniques please refer to installation manual.

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